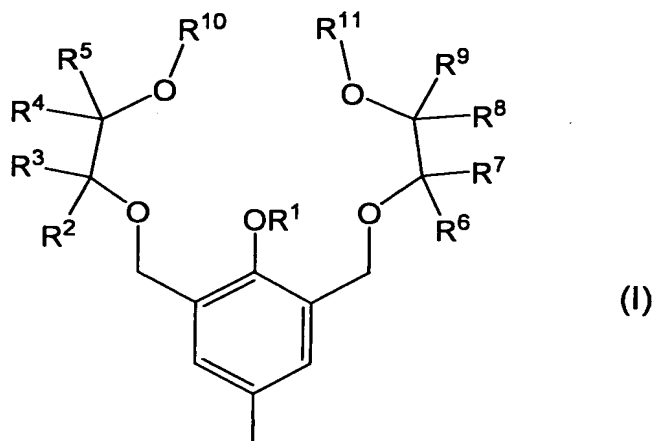


ABSTRACT

The present invention provides a fluorescent molecular wire including a fluorescent polymer main chain to which an optically active substituent is linked so as to be a conjugatable form, the optically active substituent being represented by formula (I) below:



where R^1 represents a hydrogen atom or an alkyl group having 1 to 10 carbon atoms; R^2 , R^3 , R^4 , R^5 , R^6 , R^7 , R^8 , and R^9 represent independently a hydrogen atom, a linear alkyl group having 1 to 30 carbon atoms that may have a substituent, a branched alkyl group having 2 to 30 carbon atoms that may have a substituent, a cyclic alkyl group having 3 to 30 carbon atoms that may have a substituent, an aryl group having 6 to 30 carbon atoms that may have a substituent, or an aralkyl group having 7 to 30 carbon atoms that may have a substituent, and R^3 and R^7 may be bonded respectively to R^4 and R^8 to form an alkylene group having 2 to 60 carbon atoms that may have a substituent; and R^{10} and R^{11} represent independently a hydrogen atom or an alkyl group having 1 to 15 carbon atoms that may have a heteroatom, and R^{10} and R^{11} may be bonded to form an alkylene group having 2 to 30 carbon atoms that may have a heteroatom.